SEALEY Professional TOOLS
AUTO SERVICE LINE

Instructions For:
VAG CODE READER AND RESET TOOL EOBD & GENERIC

MODEL: VS862

SOFTWARE ≤ V2.4

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Thank you for purchasing a Sealey product. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.

IMPORTANT **PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS, AND CAUTIONS. USE THIS PRODUCT CORRECTLY AND WITH CARE, FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY.**

1. SAFETY INSTRUCTIONS

❒ **WARNING!** Ensure that Health and Safety, local authority and general Workshop practice regulations are strictly adhered to.

✗ **DO NOT** use the unit if it, or any attachment, is damaged.

✓ Maintain the unit in good and clean condition for best and safest performance.

✓ If required, ensure that the vehicle to be worked on is adequately supported with axle stands or ramps and is chocked.

✓ Put transmission in PARK (for automatic transmission) or NEUTRAL (for manual transmission) and make sure the parking brake is engaged.

✓ Wear approved eye protection. A full range of personal safety equipment is available from your Sealey dealer.

✓ Wear suitable clothing to avoid snagging. Do not wear jewellery and tie back long hair.

❒ **WARNING!** Use extreme caution when working around the ignition coil, distributor cap, ignition wires and spark plugs. These components create hazardous voltages when the engine is running.

✗ **DO NOT** connect or disconnect any test equipment with ignition on or engine running.

✓ Keep a fire extinguisher suitable for gasoline/chemical/ electrical fires nearby.

✓ Account for all tools and parts being used and do not leave them on or near the engine.

✓ Keep code reader dry, clean and free from oil, water and grease. Use a mild detergent on a clean cloth to clean the outside of the tool.

✓ Operate the vehicle in a well-ventilated work area; exhaust gases are poisonous.

IMPORTANT: Always refer to the vehicle manufacturer's service instructions to establish the current procedure and data. These instructions are provided as a guide only.

❒ **WARNING!** ***The warnings, cautions and instructions discussed in this manual cannot cover all possible conditions and situations that may occur. It must be understood that common sense and caution are factors which cannot be built into this product, but must be applied by the operator.***

2. PRODUCT INFORMATION

2.1 Description

1 **LCD DISPLAY** -- Indicates test results. Backlit, 128 x 64 pixel display with contrast adjustment.

2 **Y BUTTON** -- Confirms a selection (or action) from a menu. When a DTC's definition covers more than one screen, it is used to move down to the next screen for additional data.

IMPORTANT - We are constantly improving the operating of this tool to work with other VAG vehicles. In the event that your VS862 will not connect to a vehicle or it appears not to communicate with a specific vehicle type; we recommend that you download the latest operating software and DTC library from the Sealey website (www.sealey.co.uk) and update your VS862 with the latest code and retry your problem vehicle.

3) **N BUTTON** -- Cancels a selection (or action) from a menu or returns to the menu. It is also used to set up the unit when being pressed and held for at least 3 seconds.

4) ⩔ **UP SCROLL BUTTON** -- Moves up through menu and submenu items in menu mode. When more than one DTC is retrieved, moves up through the current screen to the previous screens for additional DTCs and definitions.

5) ⩒ **DOWN SCROLL BUTTON** -- Moves down through menu and submenu items in menu mode. When more than one DTC is retrieved, moves down through the current screen to the next screens for additional DTCs and definitions.

6) **OBD II CONNECTOR** -- Connects the scan tool to the vehicle's Data Link Connector (DLC).

2.2 Specifications

1) **Display:** Backlit, 128 x 64 pixel display with contrast adjustment.
2) **Operating Temperature:** 0 to 50°C (32 to 122 F°).
3) **Storage Temperature:** -20 to 70°C (-4 to 158 F°).
4) **External Power:** 8.0 to 15.0 Volts provided via vehicle battery.
5) **Dimensions:**

Length	Width	Height
178 mm (7.00")	95 mm (3.75")	34 mm (1.35")

6) **NW:** 0.70kg (1.54lb), **GW**: 1.0kg(2.20lb)

Audi, Seat, Skoda, VW; Beetle, Golf, GTI, Jetta, Passat, Touareg, Touran.

2.3 Accessories Included

1) **User's Manual** -- Instructions on tool operations.
2) **OBD2 cable** -- Provides power to tool and communicates between tool and vehicle.
3) **Serial Cable** -- Used to upgrade the scan tool.
4) **Carry Case** -- A nylon case to store the scan tool when not in use.

2.4 Navigation Characters

Characters used to help navigate the scan tool are:

1) **"►"** -- Indicates current selection.
2) "↓" -- A flashing down arrow indicates additional information is available on the next screen.

3) "↑" -- A flashing up arrow indicates additional information is available on the previous screen.

4) "pd" -- Identifies a pending DTC when viewing DTCs.

2.5 Keyboard

Do not use solvents such as alcohol are allowed to clean the keypad or display. Use a mild nonabrasive detergent and a soft cotton cloth. Do not soak the keypad, as the keypad is not waterproof.

2.6 Power

The external power of the scan tool is provided via the vehicle Data Link Connector (DLC). Just follow the steps below to turn on the scan tool:

1) Connect the OBD II Cable to scan tool.

2) Find DLC on vehicle (refer to proprietary handbook).

3) ***A plastic DLC cover may be found for some vehicles and you need to remove it before plugging the OBD2 cable.***

4) Plug OBD II Cable to the vehicle's DLC.

2.7 Product Setup

The scan tool allows you to make the following adjustments and settings:

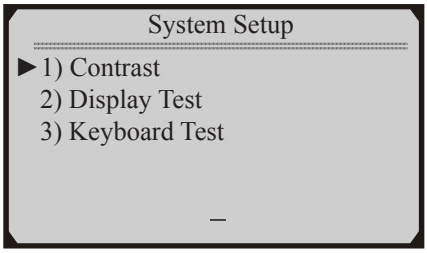
1) **Contrast Adjustment:** Adjusts the contrast of the LCD display.

2) **Display Test:** Tests the LCD display.

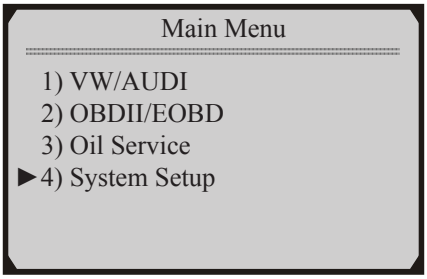
3) **Keyboard Test:** Tests the keyboard.

To enter the setup menu mode

1) **From the keyboard:** Press and hold the **N** button for at least 3 seconds until the **System Setup** menu shows up. Follow the instructions to make adjustments and settings as described in the following setup options.

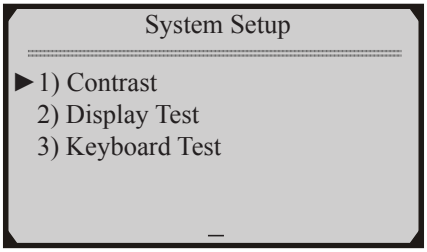


2) **From the Main Menu:** Use the **UP/DOWN** Scroll Buttons to select **System Setup** and then press the **Y** button. Follow the instructions to make adjustments and settings as described in the following setup options.

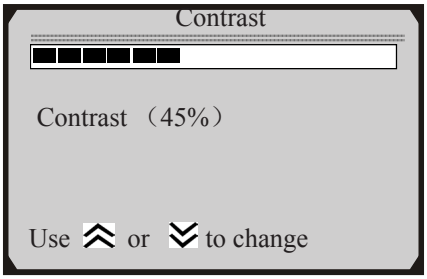


Contrast Adjustment

1) From the **System Setup** menu, use the **UP/DOWN** scroll buttons to select **Contrast**, and press the **Y** button.



2) From the **Contrast** menu, use the **UP/DOWN** scroll buttons to increase or decrease the contrast.

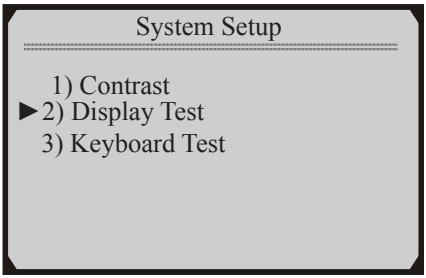


3) Press the **Y** button to save your selection and return to previous menu.
4) Press the **N** button to return to previous menus.

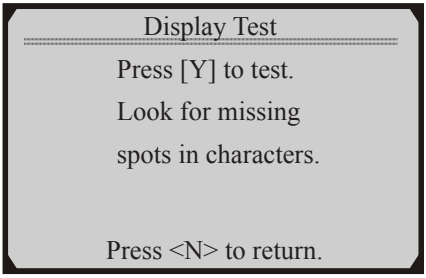
Display Test

The Display Test is used to check the LCD display.

1) From the **System Setup** menu, use the **UP/DOWN** scroll buttons to select **Display Test** and press the **Y** button.



2) Press the **Y** button again to start test. Look for missing spots in the solid black characters.

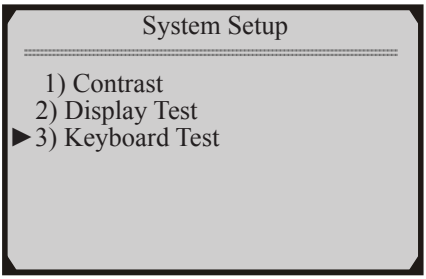


3) When completed, press the **N** button to return.

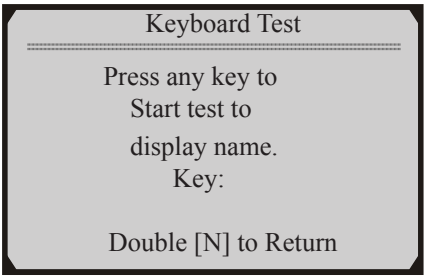
Keyboard Test

The Keyboard Test is used to verify that the keys are functioning properly.

1) Use the **UP/DOWN** scroll buttons to select **Keyboard Test** from **System Setup** menu, and then press **Y** button.



2) Press any key to start test. When you press a key, the key name should be observed on the display. If the name does not show up, then the key is not functioning properly.



3) Double press **N** to return to the previous menu.

2.8 Vehicle Coverage

The VS862 VW/AUDI Code Scanner is specially designed to work with most Volkswagen and Audis sold worldwide of 1990 or newer models. If a VW/AUDI has a 16-pin "OBD-II style" Data Link Connector (DTC), the code reader will work. If it has an old-style 2x2 Data Link Connector (DTC), then it depends on whether there are 4 or 3 wires connecting to the pins.

If there are 4 wires, each connecting a pin, then it will work. If there are only 3 wires, leaving one pin disconnected, then it will not work.

For VW/AUDI with old-style 2x2 Data Link Connector (DTC), you need to have a 2x2 cabling adapter which is not included in this product package.

Order No. <u>VS8X01</u>

3. OPERATING INSTRUCTIONS

3.1 VW/AUDI Diagnostics

Reading Codes

CAUTION: Do not connect or disconnect any test equipment with ignition on or engine running.

1) Turn the ignition off.

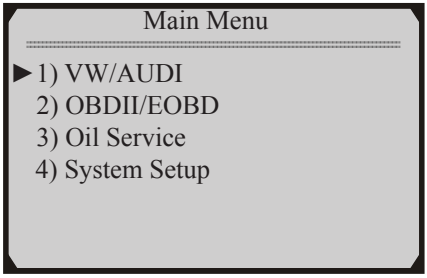
2) Locate the vehicle's 16-pin Data Link Connector (DLC).

3) Plug the OBDII connector to the vehicle's DLC.

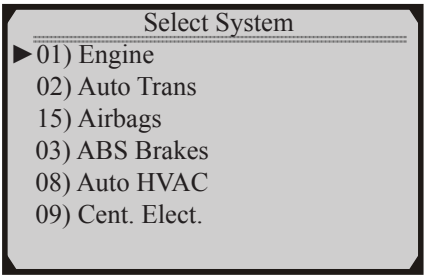
4) Turn the ignition on. But do not start the engine.

5) Press the **Y** button. The **Main Menu** will be observed on the display.

6) Use the **UP/DOWN** scroll buttons to select **VW/AUDI** from the menu and press the **Y** button.



7) Use the **UP/DOWN** scroll buttons to select the system from the **Select System** menu and press the **Y** button.

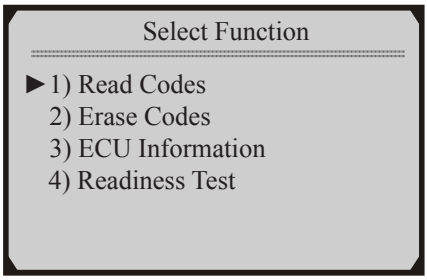


- ***If the scan tool fails to communicate with the selected vehicle's ECU (Electronic Control Unit), a "LINK ERROR!" message shows up on the display.***
- Verify that the ignition is ON;
- Check if the scan tool's OBD II connector is securely connected to the vehicle's DLC;
- Verify that the module is supported;
- Turn the ignition off and wait for about 10 seconds. Turn the ignition back to on and repeat the procedure from step 5.
- ***If the "LINK ERROR" message does not go away, then there might be problems for the scan tool communicating with the module being tested. The most common cause is that the scanned module is not supported on the vehicle.***

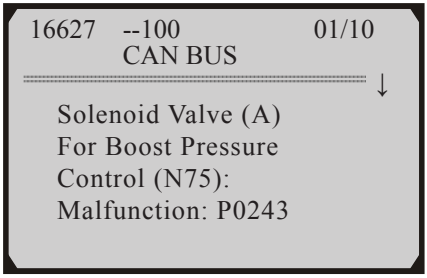
IMPORTANT - We are constantly improving the operating of this tool to work with other VAG vehicles. In the event that your VS862 will not connect to a vehicle or it appears not to communicate with a specific vehicle type; we recommend that you download the latest operating software and DTC library from the Sealey website (www.sealey.co.uk) and update your VS862 with the latest code and retry your problem vehicle.

- ***The numbers (01, 02, 15, 03, 08, etc) in front of the system names refer to the physical addresses assigned to the systems, not the sequence of the systems to be arranged.***

8) Select **Read Codes** from the **Select Function** menu and press the **Y** button.



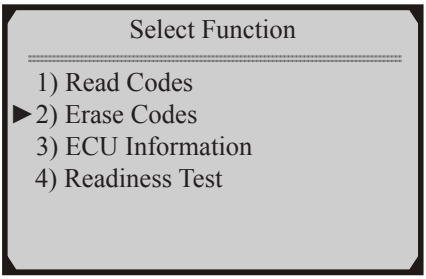
- If there are no Diagnostic Trouble Codes present, the display will indicate, "**NO CODES ARE STORED IN THE MODULE!"**
- If there are any Diagnostic Trouble Codes present, the DTC number and its definition will show on the LCD display.
- The sub-code, the communication protocol, the sequence of the DTC currently being observed and the total number of codes detected will be observed on the upper right hand corner of the display.
- When a DTC's definition covers more than one display screen, use the **Y** button, as necessary, to view any additional information.
- If the DTC definition is not available, an advisory message prompting you to refer to the vehicle service manual will be observed on the display.
- If more than one DTC is found, use the **UP/DOWN** scroll buttons, as necessary, until all the codes have been shown up.



Erasing Codes

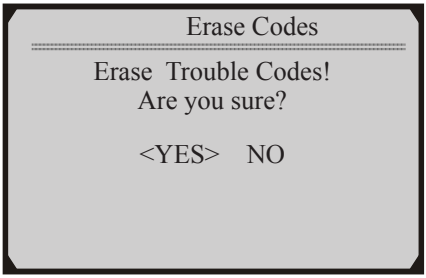
CAUTION: Erasing the Diagnostic Trouble Codes may allow the scan tool to delete not only the codes from the vehicle's on-board computer, but also "Freeze Frame" data and manufacturer specific enhanced data. Further, the I/M Readiness Monitor Status for all vehicle monitors is reset to Fail status. Do not erase the codes before the system has been checked completely by a technician.

1) If you decide to erase the DTCs, use the **UP/DOWN** scroll buttons to select **Erase Codes** from **Select Function** menu and press the **Y** button.



- If the scan tool is not connected or no communication is established with the vehicle yet, then refer to **Reading Codes** from 1 to 7 at Paragraph 3.1.

2) A warning message comes up asking for your confirmation.



3) If you do not want to proceed with erasing the codes, press the **N** button to exit. A message of **"command cancelled"** will show up.

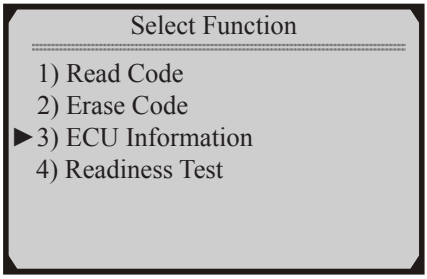
4) If you do wish to proceed to erase the codes, then press the **Y** button.

5) If the codes are cleared successfully, an "**ERASE DONE!**" confirmation message will show on the display. Press any button to return to the previous menus.

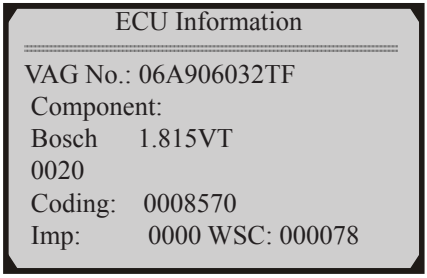
6) If the codes are not cleared, then an "**ERASE FAILURE!**" message will appear. Press the **N** button to return to previous menus.

Viewing ECU Information

1) To view **ECU Information**, use the **UP/DOWN** scroll buttons to select **ECU Information** from **Select Function** menu and press the **Y** button.



- If the scan tool is not connected or no communication is established with the vehicle yet, then refer to **Reading Codes** from 1 to 7 at Paragraph 3.1.



- If there is no ECU Information available, a warning message shows on the display.

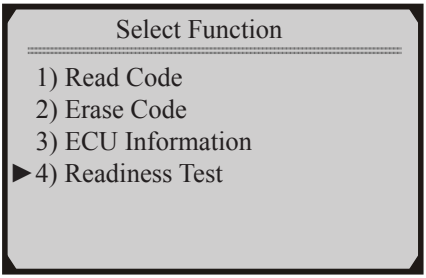
2) Press the **N** button to return to previous menus.

Readiness Test

Important: The Readiness Test function is used to check the operations of the Emission System on OBD2/EOBD compliant vehicles. It is an excellent function to use prior to having a vehicle inspected for compliance to an emissions program.

- ***"Pass" -- Indicates that a particular monitor being checked has completed its diagnostic testing.***
- ***"Fail" -- Indicates that a particular monitor being checked has not completed its diagnostic testing or the monitor is not supported on that vehicle.***

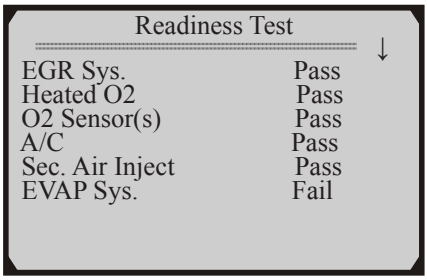
1) Use the **UP/DOWN** scroll buttons to select **Readiness Test** from **Select Function** menu and press the **Y** button.



- If the scan tool is not connected yet, then refer to **Reading Codes** from 1 to 7 at Paragraph 3.1.

2) Use the **UP/DOWN** scroll buttons, as necessary, to view the status of the following monitors:

- EGR Sys.-- EGR System Monitor.
- O2 Sensor(s) -- O2 Sensors Monitor.
- Catalyst -- Catalyst Monitor.
- EVAP Sys. -- Evaporative System Monitor.
- Heated O2 --O2 Sensor Heater Monitor.
- Sec Air Inject -- Secondary Air Monitor.
- A/C -- A/C system Monitor.
- Catalytic Conv. -- Catalytic Convertor Monitor.



3) Press the **N** button to return to previous menus.

3.2 OBDII/EOBD Diagnostics

Reading Codes

CAUTION: Don't connect or disconnect any test equipment with ignition on or engine running.

1) Turn the ignition off.

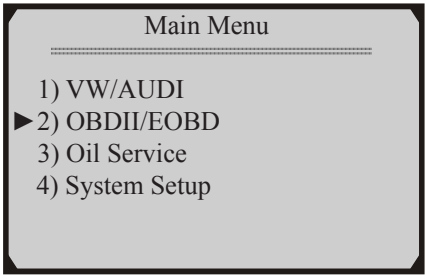
2) Locate the vehicle's 16-pin Data Link Connector (DLC).

3) Plug the OBDII connector to the vehicle's DLC.

4) Turn the ignition on. But do not start the engine.

5) Press the **Y** button. The **Main Menu** will be observed on the display.

6) Use the **UP/DOWN** scroll buttons to select **OBDII/EOBD** from the menu.



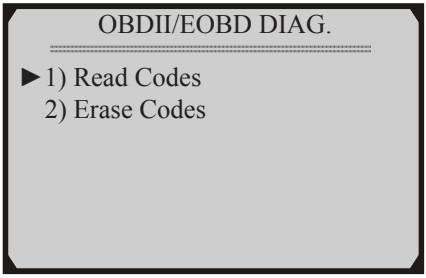
7) Press the **Y** button. A sequence of messages showing the OBDII/EOBD protocols will be observed on the display until the vehicle protocol is detected.

If the scan tool fails to communicate with the vehicle's ECU (Engine Control Unit), a "LINK ERROR!" message shows up on the display.

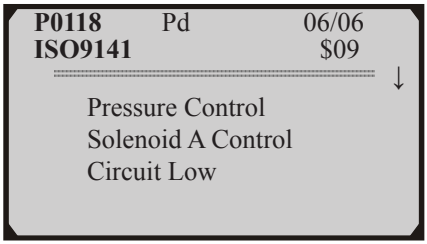
- Verify that the ignition is ON;
- Check if the scan tool's OBD II connector is securely connected to the vehicle's DLC;
- Verify that the vehicle is OBDII/EOBD compliant;
- Turn the ignition off and wait for about 10 seconds. Turn the ignition back to on and repeat the procedure from step 5.
- ***If the "LINK ERROR" message does not go away, then there might be problems with the scan tool communicating with the vehicle. Contact your local distributor for assistance.***

8) After the vehicle protocol is displayed on the screen, press any key or wait about 2 seconds for the **OBDII/EOBD DIAG**. menu to come up.

9) Use the **UP/DOWN** scroll buttons to select **Read Codes** from the menu and press the **Y** button.



- If there are no Diagnostic Trouble Codes present, the display will indicate, **"NO CODES ARE STORED IN THE MODULE!"**
- If there are any Diagnostic Trouble Codes present, the Fault Codes and Pending Codes will be reported on the display.

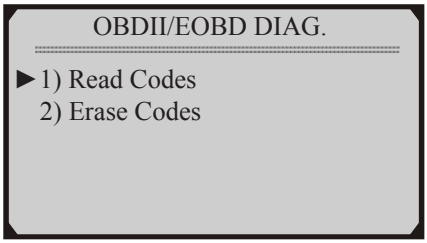


- The DTC number will appear on the upper left hand corner and its definition will show on the body of screen.
- The type of code (Generic or Manufacturer specific), the vehicle protocol, the sequence of the DTC currently being observed, the total number of codes detected and the module ID will be observed on the upper right hand corner of the display.
- If the code being displayed is a pending code, the **Pd** icon will be observed next to the DTC number on the upper right hand corner of the display.
- When a DTC's definition covers more than one display screen, use the **Y** button, as necessary, to view any additional information.
- If the retrieved DTCs contain any manufacturer specific or enhanced codes, you will be prompted to refer to the CD DTC library or the vehicle service manual to view the DTC definitions.

10) If more than one DTC is found, use the **UP/DOWN** scroll buttons, as necessary, until all the codes have been shown up.

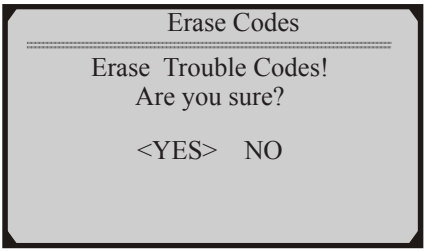
Erasing Codes

1) If you decide to erase the DTCs, use the **UP/DOWN** scroll buttons to select **Erase Codes** from the **OBDII/EOBD DIAG.** menu and press the **Y** button.



- If the scan tool is not connected or no communication is established with the vehicle yet, then refer to **Reading Codes** from 1 to 8 at Paragraph 3.2.

2) A warning message comes up asking for your confirmation.



3) If you do not want to proceed with erasing the codes, press the **N** button to exit.
A message of **"command cancelled"** will show up.

4) If you do wish to proceed to erase the codes, then press the **Y** button.

5) If the codes are cleared successfully, an "**ERASE DONE!**" confirmation will show on the display. Press any button to return to previous menus.

6) If the codes are not cleared, then an "**ERASE FAILURE!**" message will appear. Press the **N** button to return to previous menus.

3.3 Oil Service

1) Turn the ignition off.

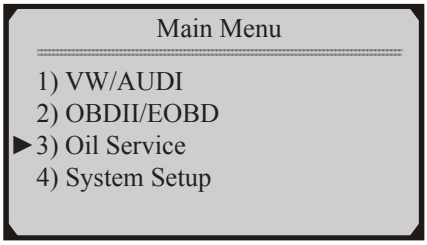
2) Locate the vehicle's 16-pin Data Link Connector (DLC).

3) Plug the OBDII connector to the vehicle's DLC.

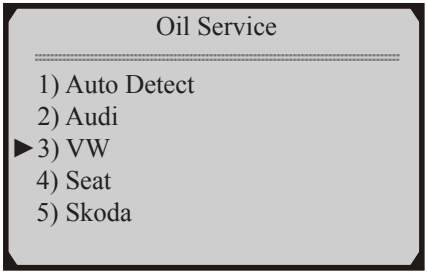
4) Turn the ignition on. But do not start the engine.

5) Press the **Y** button. The **Main Menu** will be observed on the display.

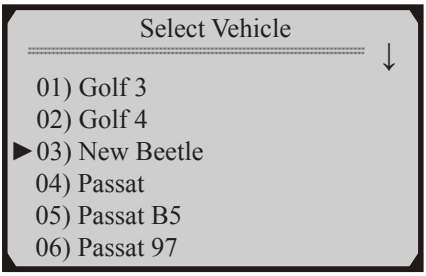
6) Use **UP/DOWN** scroll button to select **Oil Service** from the menu, and press the **Y** button.



7) Use **UP/DOWN** scroll button to select vehicle maker, and press **Y** button.



8) Use **UP/DOWN** scroll button to select a vehicle, and press **Y** button to confirm.

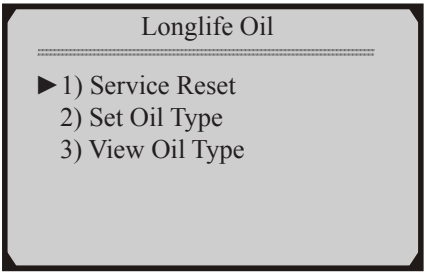


- If your vehicle is not listed on the screen, use **UP/DOWN** scroll button to select **Others** from the menu, and press **Y** button to confirm.

Resetting Longlife Oil Service

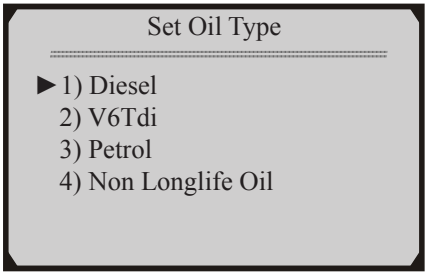
1) Use **UP/DOWN** scroll button to select **Longlife Oil** from the menu, and press **Y** button.

2) Use **UP/DOWN** scroll button to select **Service Reset** from **Longlife Oil** menu, and press **Y** button.



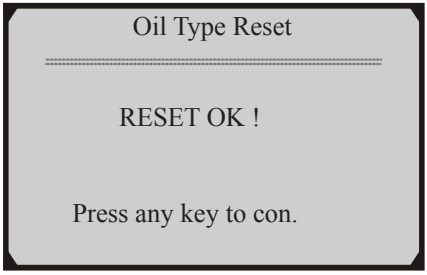
3) Press any key to return to **Longlife Oil** menu.

4) To set oil type, use **UP/DOWN** scroll button to select **Set Oil Type** from **Longlife Oil** menu, and press **Y** button.

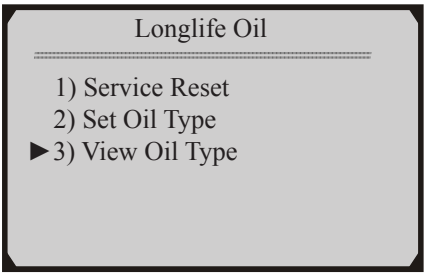


5) Use **UP/DOWN** scroll button to select an oil type according to that of your vehicle.

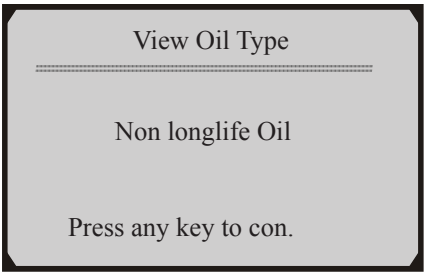
6) Press any key to return to **Longlife Oil** menu.



7) To view oil type, use **UP/DOWN** scroll button to select **View Oil Type** from **Longlife Oil** menu, and press **Y** button.

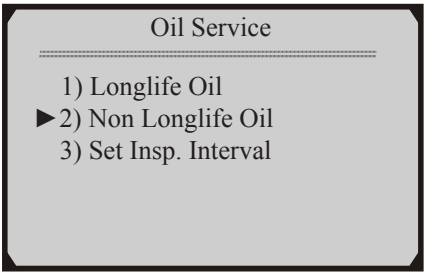


8) View oil type on screen and press any key to return to **Lifelong Oil** menu.



Resetting Non Longlife Oil Service

1) To reset non longlife oil service, use **UP/DOWN** scroll button to select **Non Longlife Oil** from the **Oil Service** menu, and press **Y** button.



2) Use **UP/DOWN** scroll button to select from the **Service Reset Non Longlife Oil** menu, and press **Y** button.

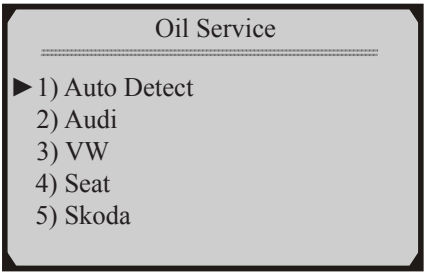
3) Press any key to return to previous menu.

Setting Inspection Interval

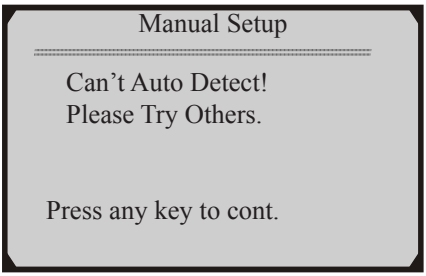
Set Insp. Interval is used to set oil service interval of different channels of various vehicles.

To enter Set Insp. Interval menu

1) Use **UP/DOWN** scroll button to select **Auto Detect** from **Oil Service** menu, and press **Y** button.

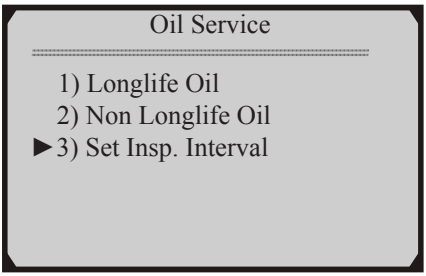


2) Press any key to enter **Set Insp. Interval** menu.

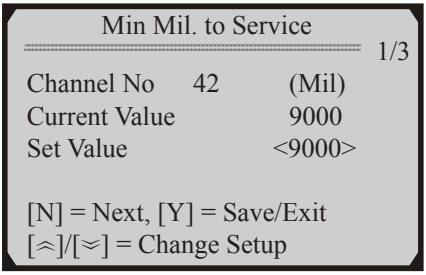


- *It is recommended to use **Auto Detect** to enter **Set Insp. Interval** menu.*

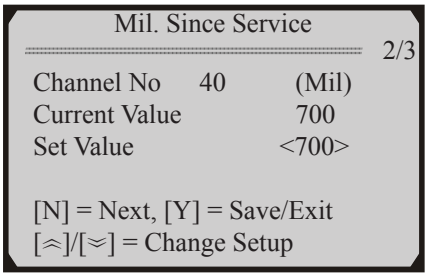
3) Or use **UP/DOWN** scroll button to select **Set Insp. Interval** from the menu, and press **Y** button.



4) Use **UP/DOWN** scroll button to change value as desired.

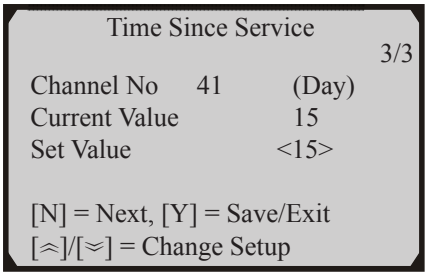


5) Use **N** button to move to next setup screen.



6) Use **UP/DOWN** scroll button to change value as desired.

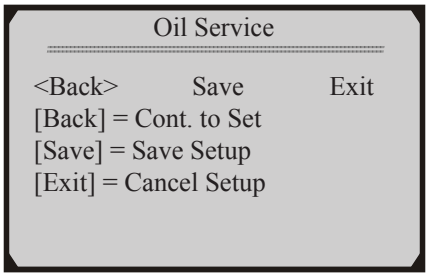
7) Use **N** button to move to next setup screen.



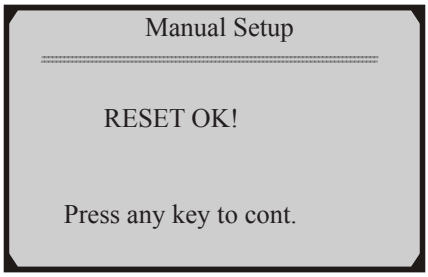
8) Use **UP/DOWN** scroll button to change value as desired, and press **Y** button.

- Different vehicle supports different oil service channels; so retrieved channel numbers may vary from one vehicle to another. Normally, a vehicle supports 3-5 channels.
- 1/3 to the upper right corner of the screen indicates the total number of supported channels and their sequence.

9) Use **UP/DOWN** scroll button to select <Save> and press **Y** button to save your settings.



10) Press any key to return to **Main Menu**.



- If you want to continue to change values, use **UP/DOWN** scroll button to select <Back> and press **Y** button to return to **Min Mil. to Service** menu.
- If you want to cancel all setups, use UP/**DOWN** scroll button to select <Exit> and press **Y** button, or simply press **N** button to return to the **Main Menu**.

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